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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/531,949	03/21/2000	John Michael Kominek	57921/108	7501

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GLENN PATENT GROUP  
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MENLO PARK, CA 94025

EXAMINER
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WOO, ISAAC M

ART UNIT	PAPER NUMBER
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2172

DATE MAILED: 12/17/2003

10

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/531,949

Applicant(s)

KOMINEK ET AL.

Examiner

Isaac M Woo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 01 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-35 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. §§ 119 and 120**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. This action is in response to Applicant's request for reconsideration, filed on October 01, 2003 have been considered but are deemed moot in view of new ground of rejections below.

#### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mullaly et al (U.S. Patent No. 6,553,341, hereinafter, "Mullaly").

With respect to claims 1, 14, 20, 24 and 30, Mullaly discloses, the method, system and computer program product of transforming and canonicalizing semantically structured data (col.10, lines 33-49, col. 9, lines 21-46, col.10, lines 33-67 to col. 11, lines 1-43), obtaining data (e-mail messages) from a network of computers, see (FIG. 1, col. 3, lines 52-65); applying text patterns to the obtaining data and placing the data in a first data file (504, FIG. 5), see (FIG. 5, col. 7, lines 27-60, messages are filtered

(applying text pattern) by message filter); providing second data file containing the obtained data in a uniform format (announcement text), see (814, FIG. 8, col. 8, lines 49-67 to col. 9, lines 1-21); and generating grammatical sentences from the data in the second data file, see (812, FIG. 8, col. 8, lines 49-67 to col. 9, lines 1-21).

Mullaly does not explicitly disclose the user interface specific. However, Mullaly discloses text to voice synthesis engine (510, fig.5, col. 7, lines 26-60) and generates and output announcement with voice to a user (1106, fig. 11, col.10, lines 33-49, col. 9, lines 21-46, col.10, lines 33-67 to col. 11, lines 1-43). This teaches voice announcement is user interface to communicate between the system and the user. The user Interface is the aspects of a computer system or program which can be seen (or heard or otherwise perceived) by the human user, and the commands and mechanisms the user uses to control its operation and input data. Thus, each computer system uses its own or common user interface and Mullaly discloses the voice announcement is voice specific user interface. Therefore, it would have been obvious to a person having ordinary skill in the art the time of the invention was made to include user interface specific in the system of Mullaly to announce voice output to the user. Because the voice specific user interface provides communication between two systems (user and computer).

With respect to claims 2 and 18, Mullaly discloses that the second data file comprises applying a lexical entry transformation table to transform the obtained data into a common semantic form, see (col. 7, lines 15-60, col. 2, lines 35-50).

With respect to claims 3-4, Mullaly discloses that the second data file comprises applying attribute phrase grammars and applying term arrangement rules to the obtained data, see (col. 7, lines 15-60, col. 8, lines 49-67 to col. 9, lines 1-22).

With respect to claim 5, Mullaly discloses, the second data file comprises applying a second lexical entry transformation table to transform data to normalized and tagged format, see (col. 7, lines 15-60).

With respect to claims 6 and 15, Mullaly discloses, storing the second data file in a uniform format, see (fig. 8, fig. 9, col. 7, lines 15-60, col. 8, lines 49-67 to col. 9, lines 1-22).

With respect to claim 7, Mullaly discloses, the uniform format comprises a normalized and tagged format, see (fig. 9, col. 7, lines 15-60, col. 8, lines 49-67 to col. 9, lines 1-22).

With respect to claim 8, Mullaly discloses, generating user interface specific grammatical sentences comprises applying attribute phrase grammars to the data in the second data file to create a parsed form of the data, see (col. 7, lines 15-60, col. 8, lines 49-67 to col. 9, lines 1-22).

With respect to claim 9, Mullaly discloses, generating user interface grammatical sentences comprises applying lexical entry transformation tables to the parsed form of the data to create a term substituted form of the data, see (col. 7, lines 15-60, col. 8, lines 49-67 to col. 9, lines 1-22).

With respect to claim 10, Mullaly discloses, generating user interface specific grammatical sentences comprises applying term rearrangement rules to the term substituted from the data according to a specific interface to create a rearranged form of the data, see (fig. 8, col. 7, lines 15-60, col. 8, lines 49-67 to col. 9, lines 1-22).

With respect to claims 11 and 19, Mullaly discloses, generating user interface specific grammatical sentences comprises applying phrase generation grammar to the rearranged form of the data to create interface specific sentences, see (fig. 8, col. 7, lines 15-60, col. 8, lines 49-67 to col. 9, lines 1-22).

With respect to claims 12-13, 16-17, 21, 25-26 and 31-32, Mullaly discloses, voice output to a telephone, corresponding to the interface specific sentence, see (fig. 8, fig. 11, col.10, lines 33-49, col. 9, lines 21-46, col.10, lines 33-67 to col. 11, lines 1-43).

With respect to claim 22, Mullaly discloses, storing the first data file and the generated phrase in a database, see (col. 1, lines 43-67).

With respect to claim 23, Mullaly discloses, that obtaining data from a network of computers comprises obtaining data from Internet, see (col. 1, lines 43-67).

With respect to claims 27 and 28, WAP (wireless application protocol), that is an open international standard for applications that use wireless communication, e.g. Internet access from a mobile phone.

With respect to claim 29, Mullaly discloses, the means for organizing a plurality of data files containing obtained data from the obtaining means, see (FIG. 1, col. 3, lines 52-65).

Claims 30 and 33-35 (computer program product claims) are rejected on grounds corresponding to the reasons given above claimed in claims 1-11.

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Barry et al (U.S. Patent No. 6,308,156) discloses the system for digital speech synthesis process in which utterances in a language are recorded, and the recorded utterances are divided into speech segments which are stored so as to allow their

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allocation to specific phonemes. A text which is to be output as speech is converted to a phoneme chain and the stored segments are output in a sequence defined by the phoneme chain. An analysis of the text to be output as speech is carried out and thus provides information which completes the phoneme chain and modifies the timing sequence signal for the speech segments which are to be strung together for output as speech.

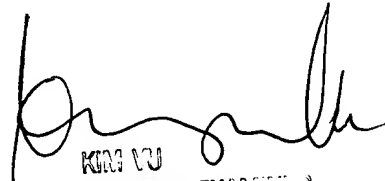
***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac M Woo whose telephone number is (703) 305-0081. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Y Vu can be reached on (703) 305-4393. The fax phone number for the organization where this application or proceeding is assigned is (703) 746-7239.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

IMW  
December 3, 2003

  
KIM YU  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER